- A2575-17 11/83 -

# Summary of Motor Vehicle Accidents in the Petroleum Industry for 1982

JUNE 1983

**American Petroleum Institute**
2101 L Street, Northwest
Washington, D.C. 20037

# Summary of Motor Vehicle Accidents in the Petroleum Industry for 1982

**Statistics Department**

JUNE 1983

American
Petroleum
Institute

## SUMMARY

### MOTOR VEHICLE ACCIDENTS IN THE PETROLEUM INDUSTRY IN 1982

The American Petroleum Institute's fiftieth survey of motor vehicle accidents in the petroleum industry represents the collective experience of 115 companies. Although this number does not reflect the counting of subsidiaries individually, since they were not reported separately, the reported data does include the experience of subsidiaries in most cases.

Table I shows that 103 companies operated 69,793 vehicles which traveled 1,543,129,000 miles and were involved in 6,868 accidents, indicating an average of 224,683 miles per vehicle accident in 1982. Comparable figures for 1981 were: 62,822 vehicles, 1,323,781,000 miles traveled, 6,416 vehicle accidents, and an average of one accident per 206,325 miles. Thus, in 1982 there was a frequency rate of 4.45 accidents per one million vehicle miles compared with 4.85 in 1981, a decrease of 8.2 per cent.

Table II shows that 115 companies had a frequency rate of accidents per 100 vehicles operated in 1982 of 9.7, compared with 10.1 in 1981, a decrease of 2.3 per cent.

---

**Note:** Total figures for "All Departments" are greater than the sum of the corresponding figures for the individual departments because some reports did not separate figures for each department. Similarly, the combined figures for cars and trucks are greater than the sum of the corresponding figures for these two classes of vehicles because some company reports did not give separate figures for each class.

1980–1982 statistics are not comparable to previous years due to the reclassification of functions.

---

**Additional copies of this survey may be obtained upon request by writing to:**

**American Petroleum Institute**
**Publications & Distribution Section**
**2101 L Street, N.W.**
**Washington, D.C. 20037**

## TABLE I — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

## COMPARISON BY DEPARTMENTS 1980–1982* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE NUMBER OF VEHICLE MILES TRAVELED

| | PASSENGER CARS REPORTED SEPARATELY | | | | | TRUCKS REPORTED SEPARATELY | | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles | No. of Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles | No. of Cars and Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles |
| | | | | | | ALL DEPARTMENTS | | | | | | | |
| 1982 | 103 | 29,251 | 564,709 | 2,529 | 4.48 | 23,957 | 646,189 | 3,030 | 4.69 | 69,793 | 1,543,129 | 6,868 | 4.45 |
| 1981 | 81 | 11,395 | 205,221 | 934 | 4.55 | 21,158 | 465,571 | 2,445 | 5.25 | 62,822 | 1,323,781 | 6,416 | 4.85 |
| 1980 | 62 | 15,792 | 296,343 | 1,184 | 4.00 | 21,970 | 455,324 | 2,391 | 5.25 | 60,842 | 1,246,226 | 5,752 | 4.62 |
| | | | | | | EXPLORATION & PRODUCTION | | | | | | | |
| 1982 | 38 | 10,501 | 199,590 | 824 | 4.13 | 5,067 | 100,744 | 436 | 4.33 | 21,269 | 385,186 | 1,494 | 3.88 |
| 1981 | 27 | 2,959 | 45,522 | 237 | 5.21 | 4,642 | 70,753 | 414 | 5.85 | 15,883 | 252,169 | 1,105 | 4.38 |
| 1980 | 19 | 3,191 | 58,500 | 271 | 4.63 | 4,554 | 69,215 | 422 | 6.10 | 9,475 | 152,782 | 773 | 5.06 |
| | | | | | | GAS PROCESSING | | | | | | | |
| 1982 | 23 | 598 | 12,318 | 44 | 3.57 | 263 | 7,890 | 16 | 2.03 | 936 | 22,533 | 63 | 2.80 |
| 1981 | 10 | 62 | 1,321 | 2 | 1.51 | 158 | 2,248 | 5 | 2.22 | 538 | 10,775 | 26 | 2.41 |
| 1980 | 9 | 178 | 3,549 | 10 | 2.82 | 396 | 4,616 | 11 | 2.38 | 841 | 13,077 | 35 | 2.68 |
| | | | | | | DRILLING | | | | | | | |
| 1982 | 10 | 141 | 3,520 | 12 | 3.41 | 227 | 5,365 | 49 | 9.13 | 389 | 9,321 | 62 | 6.65 |
| 1981 | 5 | 36 | 703 | 1 | 1.42 | 57 | 1,813 | 5 | 2.76 | 128 | 3,144 | 6 | 1.91 |
| 1980 | 4 | 80 | 1,326 | 2 | 1.51 | 206 | 2,513 | 8 | 3.18 | 304 | 4,281 | 13 | 3.04 |
| | | | | | | CHEMICALS | | | | | | | |
| 1982 | 8 | 1,162 | 18,509 | 120 | 6.48 | 658 | 19,239 | 168 | 8.73 | 1,905 | 45,642 | 331 | 7.25 |
| 1981 | 5 | 628 | 12,456 | 99 | 7.95 | 638 | 16,208 | 135 | 8.33 | 1,906 | 42,082 | 272 | 6.46 |
| 1980 | 4 | 596 | 11,519 | 107 | 9.29 | 586 | 15,496 | 153 | 9.87 | 1,794 | 41,823 | 299 | 7.15 |
| | | | | | | REFINING | | | | | | | |
| 1982 | 16 | 920 | 10,257 | 48 | 4.68 | 1,165 | 8,547 | 64 | 7.49 | 2,183 | 20,228 | 114 | 5.64 |
| 1981 | 12 | 339 | 5,506 | 19 | 3.45 | 940 | 10,969 | 75 | 6.84 | 2,028 | 25,830 | 139 | 5.38 |
| 1980 | 7 | 296 | 3,937 | 14 | 3.56 | 776 | 3,965 | 45 | 11.35 | 1,406 | 11,764 | 79 | 6.72 |
| | | | | | | MARKETING—WHOLESALE | | | | | | | |
| 1982 | 19 | 5,226 | 119,994 | 416 | 3.47 | 3,901 | 225,844 | 1,012 | 4.48 | 12,411 | 451,873 | 1,936 | 4.28 |
| 1981 | 18 | 2,553 | 49,513 | 212 | 4.28 | 4,254 | 141,815 | 883 | 6.23 | 2,925 | 398,710 | 2,197 | 5.51 |
| 1980 | 12 | 1,100 | 23,546 | 65 | 2.76 | 3,507 | 97,679 | 662 | 6.78 | 6,502 | 188,924 | 1,162 | 6.15 |
| | | | | | | MARKETING—RETAIL | | | | | | | |
| 1982 | 12 | 721 | 22,060 | 116 | 5.26 | 3,776 | 62,906 | 497 | 7.90 | 4,921 | 93,053 | 646 | 6.94 |
| 1981 | 10 | 893 | 18,169 | 55 | 3.03 | 2,568 | 46,744 | 331 | 7.08 | 3,699 | 68,369 | 401 | 5.87 |
| 1980 | 9 | 564 | 12,359 | 40 | 3.24 | 2,385 | 40,204 | 195 | 4.85 | 2,949 | 52,563 | 235 | 4.47 |
| | | | | | | PIPELINE—CRUDE & PRODUCTS | | | | | | | |
| 1982 | 26 | 2,280 | 52,586 | 183 | 3.48 | 4,371 | 122,827 | 426 | 3.47 | 7,236 | 190,450 | 665 | 3.49 |
| 1981 | 24 | 1,395 | 28,122 | 87 | 3.09 | 3,354 | 78,155 | 237 | 3.03 | 5,910 | 133,918 | 412 | 3.08 |
| 1980 | 21 | 1,259 | 25,536 | 82 | 3.21 | 3,462 | 73,443 | 238 | 3.24 | 5,202 | 108,130 | 347 | 3.21 |
| | | | | | | PIPELINE—GAS | | | | | | | |
| 1982 | 19 | 2,635 | 46,259 | 247 | 5.34 | 3,617 | 71,235 | 250 | 3.51 | 8,088 | 151,064 | 678 | 4.49 |
| 1981 | 17 | 1,158 | 20,725 | 94 | 4.54 | 3,472 | 74,968 | 241 | 3.21 | 9,106 | 182,795 | 706 | 3.86 |
| 1980 | 12 | 1,025 | 19,745 | 102 | 5.17 | 2,252 | 50,995 | 193 | 3.78 | 5,898 | 125,398 | 484 | 3.86 |
| | | | | | | MARINE | | | | | | | |
| 1982 | 3 | 23 | 493 | 1 | 2.03 | 4 | 50 | 1 | 20.00 | 27 | 543 | 2 | 3.68 |
| 1981 | 3 | 24 | 457 | 1 | 2.19 | 4 | 54 | 1 | 18.52 | 30 | 528 | 2 | 3.79 |
| 1980 | 3 | 22 | 423 | 3 | 7.09 | 4 | 52 | 0 | 0 | 28 | 508 | 4 | 7.87 |
| | | | | | | RESEARCH & DEVELOPMENT | | | | | | | |
| 1982 | 12 | 337 | 3,566 | 29 | 8.13 | 156 | 1,177 | 5 | 4.25 | 874 | 6,004 | 38 | 6.33 |
| 1981 | 11 | 152 | 1,914 | 8 | 4.18 | 107 | 886 | 10 | 11.29 | 697 | 6,227 | 43 | 6.91 |
| 1980 | 8 | 142 | 1,683 | 12 | 7.13 | 104 | 614 | 7 | 11.40 | 364 | 3,064 | 31 | 10.12 |
| | | | | | | ENGINEERING & SERVICES | | | | | | | |
| 1982 | 9 | 477 | 7,250 | 43 | 5.93 | 256 | 2,949 | 28 | 9.49 | 733 | 10,199 | 71 | 6.96 |
| 1981 | 9 | 319 | 6,116 | 36 | 5.89 | 214 | 4,058 | 31 | 7.64 | 533 | 10,173 | 67 | 6.59 |
| 1980 | 7 | 219 | 4,102 | 26 | 6.34 | 225 | 5,850 | 37 | 6.32 | 444 | 9,952 | 63 | 6.33 |
| | | | | | | MISCELLANEOUS | | | | | | | |
| 1982 | 21 | 931 | 21,174 | 69 | 3.26 | 430 | 11,483 | 43 | 3.74 | 1,497 | 35,698 | 120 | 3.36 |
| 1981 | 17 | 768 | 12,875 | 77 | 5.98 | 498 | 13,912 | 59 | 4.24 | 1,779 | 35,464 | 206 | 5.81 |
| 1980 | 14 | 404 | 7,195 | 44 | 6.12 | 201 | 4,156 | 6 | 1.44 | 859 | 18,291 | 72 | 3.94 |

*Not comparable to previous years.

## TABLE II—PETROLEUM INDUSTRY—MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

### COMPARISON BY DEPARTMENTS 1980–1982* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE ITEMS SHOWN

| | | PASSENGER CARS REPORTED SEPARATELY | | | TRUCKS REPORTED SEPARATELY | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Cars and Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles |
| | | | | | ALL DEPARTMENTS | | | | | |
| 1982 | 115 | 31,701 | 2,802 | 8.8 | 27,411 | 3,268 | 11.9 | 75,697 | 7,379 | 9.7 |
| 1981 | 94 | 14,218 | 1,217 | 8.6 | 23,621 | 2,630 | 11.1 | 68,108 | 6,884 | 10.1 |
| 1980 | 75 | 17,067 | 1,281 | 7.5 | 23,999 | 2,515 | 10.5 | 64,146 | 5,973 | 9.3 |
| | | | | | EXPLORATION & PRODUCTION | | | | | |
| 1982 | 46 | 11,558 | 968 | 8.4 | 5,955 | 529 | 8.9 | 23,214 | 1,731 | 7.5 |
| 1981 | 35 | 4,150 | 378 | 9.1 | 5,444 | 467 | 8.6 | 17,876 | 1,299 | 7.3 |
| 1980 | 26 | 3,439 | 299 | 8.7 | 5,585 | 492 | 8.8 | 10,754 | 871 | 8.1 |
| | | | | | GAS PROCESSING | | | | | |
| 1982 | 28 | 705 | 60 | 8.5 | 509 | 22 | 4.3 | 1,289 | 85 | 6.6 |
| 1981 | 16 | 146 | 18 | 12.3 | 427 | 17 | 4.0 | 891 | 54 | 6.1 |
| 1980 | 12 | 298 | 18 | 6.0 | 562 | 17 | 3.0 | 1,127 | 49 | 4.3 |
| | | | | | DRILLING | | | | | |
| 1982 | 13 | 388 | 20 | 5.2 | 445 | 54 | 12.1 | 854 | 75 | 8.8 |
| 1981 | 6 | 200 | 8 | 4.0 | 252 | 20 | 7.9 | 487 | 28 | 5.7 |
| 1980 | 7 | 144 | 7 | 4.9 | 240 | 11 | 4.6 | 402 | 21 | 5.2 |
| | | | | | CHEMICALS | | | | | |
| 1982 | 11 | 1,311 | 132 | 10.1 | 1,015 | 170 | 16.7 | 2,411 | 345 | 14.3 |
| 1981 | 8 | 1,150 | 120 | 10.4 | 756 | 146 | 19.3 | 2,546 | 304 | 11.9 |
| 1980 | 6 | 628 | 118 | 18.8 | 626 | 163 | 26.0 | 1,866 | 320 | 17.1 |
| | | | | | REFINING | | | | | |
| 1982 | 23 | 1,106 | 72 | 6.5 | 1,575 | 84 | 5.3 | 2,681 | 158 | 5.9 |
| 1981 | 19 | 526 | 37 | 7.0 | 1,255 | 97 | 7.7 | 2,530 | 179 | 7.1 |
| 1980 | 13 | 380 | 21 | 5.5 | 1,038 | 56 | 5.4 | 1,752 | 97 | 5.5 |
| | | | | | MARKETING—WHOLESALE | | | | | |
| 1982 | 27 | 5,399 | 433 | 8.0 | 4,303 | 1,065 | 24.8 | 12,986 | 2,007 | 15.5 |
| 1981 | 27 | 2,770 | 234 | 8.4 | 4,681 | 923 | 19.7 | 13,569 | 2,259 | 16.6 |
| 1980 | 20 | 1,318 | 74 | 5.6 | 3,670 | 674 | 18.4 | 6,883 | 1,183 | 17.2 |
| | | | | | MARKETING—RETAIL | | | | | |
| 1982 | 16 | 875 | 127 | 14.5 | 3,807 | 499 | 13.1 | 5,106 | 659 | 12.9 |
| 1981 | 15 | 1,037 | 68 | 6.6 | 4,596 | 335 | 12.9 | 3,871 | 418 | 10.8 |
| 1980 | 12 | 712 | 51 | 7.2 | 2,446 | 197 | 8.1 | 3,158 | 248 | 7.9 |
| | | | | | PIPELINE—CRUDE & PRODUCTS | | | | | |
| 1982 | 32 | 2,391 | 194 | 8.1 | 4,793 | 463 | 9.7 | 7,769 | 713 | 9.2 |
| 1981 | 28 | 1,525 | 99 | 6.5 | 3,514 | 251 | 7.1 | 6,200 | 438 | 7.1 |
| 1980 | 26 | 1,354 | 88 | 6.5 | 3,644 | 245 | 6.7 | 5,479 | 360 | 6.6 |
| | | | | | PIPELINE—GAS | | | | | |
| 1982 | 20 | 2,635 | 247 | 9.4 | 3,669 | 253 | 6.9 | 8,140 | 500 | 6.1 |
| 1981 | 18 | 1,164 | 94 | 8.1 | 3,477 | 241 | 6.9 | 9,117 | 706 | 7.7 |
| 1980 | 14 | 1,026 | 102 | 9.9 | 2,266 | 193 | 8.5 | 5,913 | 484 | 8.2 |
| | | | | | MARINE | | | | | |
| 1982 | 3 | 23 | 1 | 4.3 | 4 | 1 | 25.0 | 27 | 2 | 7.4 |
| 1981 | 3 | 24 | 1 | 4.2 | 4 | 1 | 25.0 | 30 | 2 | 6.7 |
| 1980 | 3 | 22 | 3 | 13.6 | 4 | 0 | 0 | 28 | 4 | 14.3 |
| | | | | | RESEARCH & DEVELOPMENT | | | | | |
| 1982 | 13 | 338 | 29 | 8.6 | 158 | 5 | 3.2 | 877 | 38 | 4.3 |
| 1981 | 12 | 152 | 8 | 5.3 | 109 | 10 | 9.2 | 699 | 43 | 6.2 |
| 1980 | 9 | 143 | 12 | 8.4 | 106 | 7 | 6.6 | 367 | 31 | 8.4 |
| | | | | | ENGINEERING & SERVICES | | | | | |
| 1982 | 13 | 510 | 51 | 10.0 | 267 | 29 | 10.9 | 777 | 80 | 10.3 |
| 1981 | 12 | 322 | 37 | 11.5 | 223 | 31 | 13.9 | 545 | 68 | 12.5 |
| 1980 | 9 | 221 | 26 | 11.8 | 226 | 37 | 16.4 | 447 | 63 | 14.1 |
| | | | | | MISCELLANEOUS | | | | | |
| 1982 | 28 | 1,163 | 90 | 7.7 | 845 | 59 | 7.0 | 2,144 | 157 | 7.3 |
| 1981 | 25 | 943 | 109 | 11.6 | 631 | 73 | 11.6 | 2,087 | 252 | 12.1 |
| 1980 | 33 | 666 | 56 | 8.4 | 274 | 9 | 3.3 | 993 | 87 | 8.8 |

*Not comparable to previous years.

## TABLE I — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

### COMPARISON BY DEPARTMENTS 1973–1979* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE NUMBER OF VEHICLE MILES TRAVELED

| | PASSENGER CARS REPORTED SEPARATELY | | | | | TRUCKS REPORTED SEPARATELY | | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles | No. of Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles | No. of Cars and Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles |
| | | | | | | ALL DEPARTMENTS | | | | | | | |
| 1979 | 63 | 17,425 | 332,613 | 1,603 | 4.82 | 21,414 | 467,939 | 2,889 | 6.17 | 57,562 | 1,183,783 | 6,265 | 5.29 |
| 1978 | 68 | 18,216 | 343,125 | 1,366 | 3.98 | 19,113 | 404,748 | 2,562 | 6.33 | 55,284 | 1,110,669 | 5,819 | 5.24 |
| 1977 | 69 | 20,197 | 410,592 | 1,674 | 4.08 | 21,508 | 519,446 | 2,784 | 5.36 | 46,579 | 1,045,865 | 4,957 | 4.74 |
| 1976 | 70 | 20,300 | 412,135 | 1,544 | 3.75 | 22,748 | 585,609 | 3,528 | 6.02 | 52,431 | 1,151,801 | 5,646 | 4.90 |
| 1975 | 69 | 21,624 | 429,079 | 1,808 | 4.21 | 29,071 | 779,260 | 4,089 | 5.25 | 59,536 | 1,350,036 | 6,391 | 4.73 |
| 1974 | 73 | 20,370 | 383,542 | 1,656 | 4.32 | 20,147 | 469,804 | 3,151 | 6.71 | 61,496 | 1,370,603 | 6,577 | 4.80 |
| 1973 | 73 | 20,117 | 396,110 | 2,023 | 5.11 | 20,046 | 508,783 | 3,804 | 7.48 | 61,050 | 1,432,100 | 7,923 | 5.53 |
| | | | | | | REFINING | | | | | | | |
| 1979 | 11 | 753 | 8,865 | 62 | 6.99 | 1,366 | 7,992 | 62 | 7.76 | 2,168 | 17,505 | 126 | 7.20 |
| 1978 | 16 | 723 | 7,803 | 74 | 9.48 | 1,281 | 7,250 | 84 | 11.59 | 2,035 | 15,658 | 160 | 10.22 |
| 1977 | 15 | 709 | 9,136 | 61 | 6.68 | 1,502 | 10,413 | 177 | 17.00 | 2,242 | 20,120 | 240 | 11.93 |
| 1976 | 17 | 740 | 8,478 | 49 | 5.78 | 1,218 | 9,649 | 120 | 12.44 | 2,028 | 18,840 | 173 | 9.18 |
| 1975 | 18 | 894 | 8,219 | 60 | 7.30 | 1,648 | 9,089 | 98 | 10.78 | 2,584 | 18,124 | 165 | 9.10 |
| 1974 | 20 | 916 | 8,486 | 80 | 9.43 | 1,546 | 9,552 | 131 | 13.71 | 2,508 | 18,815 | 217 | 11.53 |
| 1973 | 20 | 888 | 8,430 | 80 | 9.49 | 1,567 | 9,369 | 165 | 17.61 | 2,501 | 18,711 | 247 | 13.20 |
| | | | | | | MARKETING | | | | | | | |
| 1979 | 20 | 4,818 | 101,741 | 355 | 3.49 | 7,307 | 210,850 | 1,610 | 7.64 | 16,143 | 444,957 | 2,634 | 5.92 |
| 1978 | 18 | 5,290 | 106,882 | 455 | 4.26 | 7,421 | 212,205 | 1,689 | 7.96 | 17,313 | 455,239 | 2,898 | 6.37 |
| 1977 | 18 | 6,800 | 177,698 | 730 | 4.11 | 7,788 | 315,396 | 1,829 | 5.80 | 14,710 | 498,726 | 2,576 | 5.17 |
| 1976 | 19 | 7,539 | 181,572 | 694 | 3.82 | 9,973 | 392,037 | 2,586 | 6.60 | 18,225 | 582,985 | 3,339 | 5.73 |
| 1975 | 22 | 8,850 | 191,865 | 818 | 4.26 | 15,636 | 572,338 | 3,054 | 5.34 | 24,775 | 774,202 | 3,898 | 5.03 |
| 1974 | 22 | 7,626 | 150,432 | 715 | 4.75 | 8,007 | 287,300 | 2,230 | 7.76 | 27,065 | 809,809 | 4,117 | 5.08 |
| 1973 | 23 | 8,161 | 174,231 | 974 | 5.59 | 7,515 | 316,860 | 2,736 | 8.63 | 27,431 | 866,968 | 5,179 | 5.97 |
| | | | | | | PRODUCTION | | | | | | | |
| 1979 | 26 | 6,442 | 118,749 | 443 | 3.73 | 5,640 | 92,232 | 442 | 4.79 | 17,399 | 263,917 | 1,073 | 4.07 |
| 1978 | 29 | 5,923 | 108,931 | 348 | 3.19 | 3,956 | 61,278 | 258 | 4.21 | 16,236 | 219,369 | 779 | 3.55 |
| 1977 | 31 | 4,946 | 102,703 | 343 | 3.34 | 3,149 | 59,285 | 188 | 3.17 | 14,615 | 241,990 | 767 | 3.17 |
| 1976 | 32 | 4,970 | 101,887 | 323 | 3.17 | 3,532 | 59,990 | 225 | 3.75 | 14,049 | 244,931 | 759 | 3.10 |
| 1975 | 35 | 4,825 | 97,967 | 331 | 3.38 | 3,744 | 59,414 | 252 | 4.24 | 14,583 | 243,096 | 793 | 3.26 |
| 1974 | 34 | 4,862 | 97,634 | 304 | 3.11 | 3,786 | 59,954 | 188 | 3.14 | 12,411 | 202,361 | 607 | 3.00 |
| 1973 | 34 | 4,859 | 98,725 | 386 | 3.91 | 3,790 | 58,013 | 215 | 3.71 | 11,846 | 200,342 | 724 | 3.61 |
| | | | | | | PIPELINE | | | | | | | |
| 1979 | 37 | 2,975 | 58,104 | 175 | 3.01 | 5,162 | 104,624 | 372 | 3.56 | 12,877 | 252,002 | 856 | 3.40 |
| 1978 | 38 | 3,943 | 80,502 | 287 | 3.57 | 5,001 | 99,229 | 417 | 4.20 | 12,754 | 249,515 | 1,000 | 4.01 |
| 1977 | 39 | 3,717 | 71,168 | 244 | 3.43 | 4,551 | 99,278 | 369 | 3.72 | 9,534 | 179,031 | 750 | 4.19 |
| 1976 | 38 | 4,062 | 76,751 | 243 | 3.17 | 4,382 | 92,676 | 360 | 3.88 | 10,523 | 208,716 | 772 | 3.70 |
| 1975 | 40 | 4,243 | 77,207 | 305 | 3.95 | 4,624 | 91,005 | 356 | 3.91 | 10,982 | 207,597 | 889 | 4.28 |
| 1974 | 41 | 4,336 | 81,110 | 313 | 3.86 | 4,381 | 82,788 | 302 | 3.65 | 12,459 | 237,927 | 902 | 3.79 |
| 1973 | 41 | 3,822 | 77,874 | 354 | 4.55 | 4,706 | 81,354 | 468 | 5.75 | 12,500 | 241,724 | 1,141 | 4.72 |
| | | | | | | MISCELLANEOUS | | | | | | | |
| 1979 | 16 | 1,902 | 32,505 | 250 | 7.69 | 1,558 | 31,257 | 174 | 5.57 | 3,705 | 67,164 | 441 | 6.57 |
| 1978 | 21 | 2,283 | 38,448 | 198 | 5.15 | 1,419 | 24,272 | 110 | 4.53 | 3,982 | 70,579 | 329 | 4.66 |
| 1977 | 23 | 3,968 | 49,263 | 289 | 5.87 | 4,482 | 34,558 | 221 | 6.40 | 8,819 | 90,013 | 525 | 5.83 |
| 1976 | 23 | 2,040 | 42,829 | 231 | 5.39 | 2,509 | 30,768 | 237 | 7.70 | 4,946 | 80,993 | 504 | 6.22 |
| 1975 | 25 | 2,405 | 47,915 | 244 | 5.09 | 2,731 | 38,664 | 271 | 7.01 | 5,517 | 92,361 | 538 | 5.82 |
| 1974 | 24 | 2,566 | 45,276 | 241 | 5.32 | 2,394 | 29,603 | 298 | 10.07 | 5,332 | 79,203 | 565 | 7.13 |
| 1973 | 22 | 2,340 | 36,246 | 227 | 6.26 | 2,441 | 42,574 | 218 | 5.12 | 5,038 | 82,362 | 464 | 5.63 |

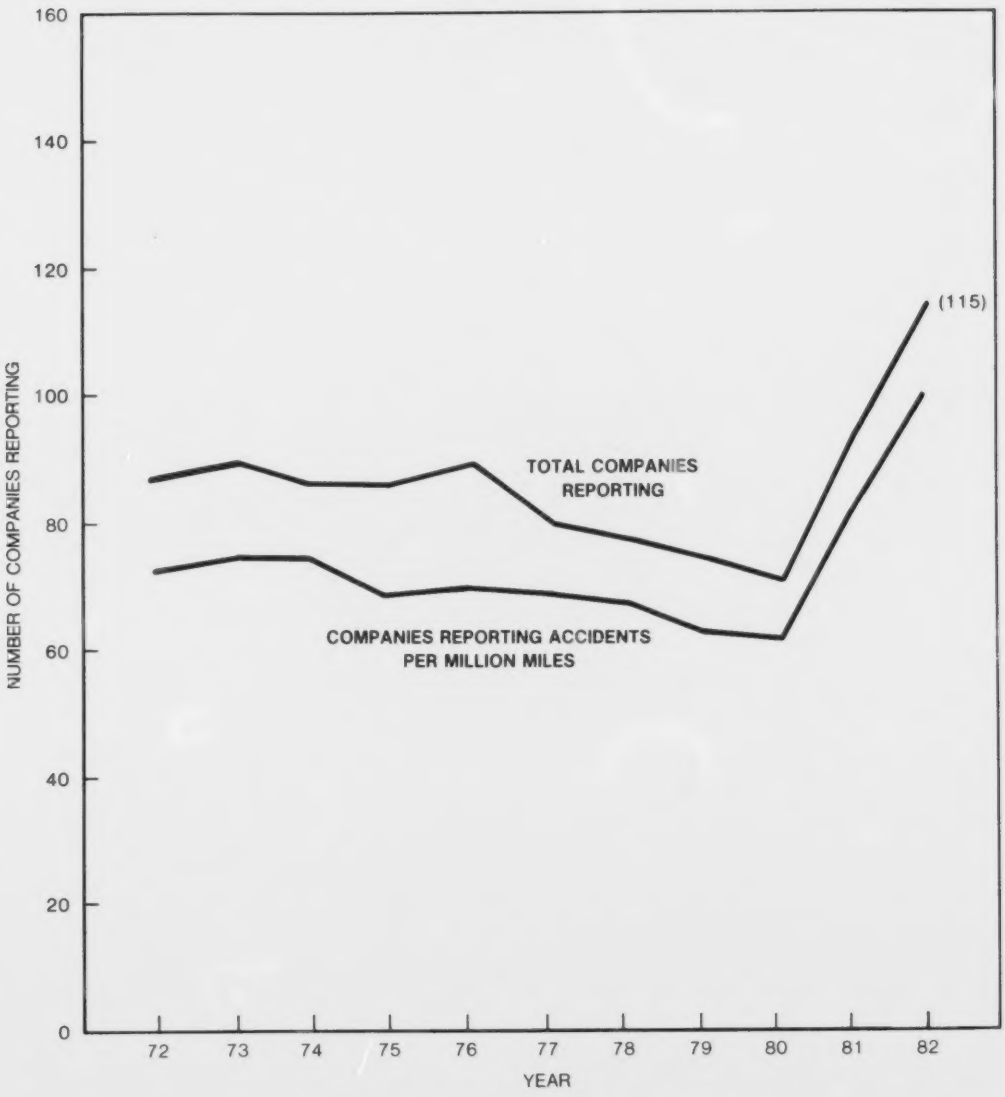
*Not comparable to 1980–1981.

## TABLE II—PETROLEUM INDUSTRY—MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

### COMPARISON BY DEPARTMENTS 1973–1979* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE ITEMS SHOWN

| | | PASSENGER CARS REPORTED SEPARATELY | | | TRUCKS REPORTED SEPARATELY | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Cars and Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles |
| | | | | | ALL DEPARTMENTS | | | | | |
| 1979 | 77 | 19,598 | 1,852 | 9.4 | 23,962 | 3,191 | 13.3 | 62,283 | 6,816 | 10.9 |
| 1978 | 79 | 20,544 | 1,749 | 8.5 | 21,789 | 3,014 | 13.8 | 60,228 | 6,654 | 11.0 |
| 1977 | 81 | 22,410 | 2,037 | 9.1 | 24,115 | 3,228 | 13.4 | 51,399 | 5,764 | 11.2 |
| 1976 | 89 | 22,645 | 1,875 | 8.3 | 25,395 | 3,897 | 15.3 | 57,423 | 6,346 | 11.1 |
| 1975 | 87 | 24,108 | 2,166 | 9.0 | 31,957 | 4,533 | 14.2 | 64,906 | 7,193 | 11.1 |
| 1974 | 87 | 22,800 | 1,990 | 8.7 | 23,024 | 3,554 | 15.4 | 66,803 | 7,314 | 10.9 |
| 1973 | 88 | 23,322 | 2,479 | 10.6 | 24,146 | 4,355 | 18.0 | 68,355 | 8,930 | 13.1 |
| | | | | | REFINING | | | | | |
| 1979 | 19 | 928 | 82 | 8.8 | 1,790 | 76 | 4.2 | 2,767 | 160 | 5.8 |
| 1978 | 29 | 963 | 104 | 10.8 | 1,688 | 96 | 5.7 | 2,682 | 202 | 7.5 |
| 1977 | 20 | 859 | 79 | 9.2 | 1,792 | 193 | 10.8 | 2,682 | 274 | 10.2 |
| 1976 | 23 | 885 | 58 | 6.6 | 1,407 | 128 | 9.1 | 2,362 | 190 | 8.0 |
| 1975 | 24 | 1,040 | 68 | 6.5 | 1,858 | 99 | 5.3 | 2,940 | 174 | 5.9 |
| 1974 | 26 | 1,087 | 99 | 9.1 | 1,747 | 132 | 7.6 | 2,880 | 237 | 8.2 |
| 1973 | 26 | 1,004 | 92 | 9.2 | 1,758 | 167 | 9.5 | 2,808 | 261 | 9.3 |
| | | | | | MARKETING | | | | | |
| 1979 | 29 | 5,503 | 405 | 8.3 | 7,640 | 1,677 | 22.0 | 17,161 | 2,801 | 16.3 |
| 1978 | 28 | 6,404 | 662 | 10.3 | 8,371 | 1,992 | 23.8 | 19,377 | 3,408 | 17.6 |
| 1977 | 24 | 7,973 | 963 | 12.1 | 8,816 | 2,119 | 24.0 | 16,911 | 3,099 | 18.3 |
| 1976 | 25 | 8,726 | 909 | 10.4 | 11,022 | 2,838 | 25.7 | 20,012 | 3,806 | 19.0 |
| 1975 | 28 | 10,100 | 1,043 | 10.3 | 16,729 | 3,342 | 20.0 | 27,118 | 4,411 | 16.3 |
| 1974 | 28 | 8,842 | 925 | 10.5 | 9,171 | 2,529 | 27.6 | 29,445 | 4,626 | 15.7 |
| 1973 | 30 | 10,075 | 1,244 | 12.3 | 9,087 | 3,193 | 35.1 | 30,917 | 5,906 | 19.1 |
| | | | | | PRODUCTION | | | | | |
| 1979 | 36 | 6,952 | 482 | 6.9 | 6,090 | 474 | 7.8 | 18,359 | 1,144 | 6.2 |
| 1978 | 44 | 6,268 | 394 | 6.3 | 4,265 | 279 | 6.5 | 16,890 | 846 | 5.0 |
| 1977 | 39 | 5,310 | 386 | 7.3 | 3,515 | 218 | 6.2 | 15,345 | 840 | 5.5 |
| 1976 | 39 | 5,344 | 352 | 6.6 | 3,908 | 244 | 6.2 | 14,799 | 807 | 5.5 |
| 1975 | 45 | 5,233 | 368 | 7.0 | 4,207 | 285 | 6.8 | 15,454 | 863 | 5.6 |
| 1974 | 44 | 5,269 | 328 | 6.2 | 4,213 | 203 | 4.8 | 13,245 | 646 | 4.9 |
| 1973 | 44 | 5,246 | 427 | 8.1 | 4,220 | 232 | 5.5 | 12,663 | 782 | 6.2 |
| | | | | | PIPELINE | | | | | |
| 1979 | 46 | 3,450 | 223 | 6.5 | 5,598 | 401 | 7.2 | 13,788 | 933 | 6.8 |
| 1978 | 54 | 4,216 | 333 | 7.9 | 5,286 | 447 | 8.5 | 13,312 | 1,076 | 8.1 |
| 1977 | 48 | 3,937 | 267 | 6.8 | 4,747 | 393 | 8.3 | 9,950 | 797 | 8.0 |
| 1976 | 47 | 4,301 | 280 | 6.5 | 4,682 | 382 | 8.2 | 11,062 | 831 | 7.5 |
| 1975 | 51 | 4,497 | 342 | 7.6 | 4,938 | 398 | 8.1 | 11,550 | 968 | 8.4 |
| 1974 | 50 | 4,601 | 342 | 7.4 | 4,715 | 324 | 6.9 | 13,058 | 953 | 7.3 |
| 1973 | 50 | 4,144 | 428 | 10.3 | 5,046 | 489 | 9.7 | 13,162 | 1,236 | 9.4 |
| | | | | | MISCELLANEOUS | | | | | |
| 1979 | 27 | 2,230 | 292 | 13.1 | 2,463 | 334 | 13.6 | 4,938 | 643 | 13.0 |
| 1978 | 35 | 2,639 | 252 | 9.5 | 2,144 | 196 | 9.1 | 5,063 | 469 | 9.3 |
| 1977 | 31 | 4,274 | 335 | 7.8 | 5,209 | 305 | 5.9 | 9,852 | 655 | 6.6 |
| 1976 | 32 | 2,440 | 272 | 11.1 | 3,242 | 305 | 9.4 | 6,079 | 613 | 10.1 |
| 1975 | 32 | 2,831 | 295 | 10.4 | 3,537 | 351 | 9.9 | 6,749 | 669 | 9.9 |
| 1974 | 32 | 2,937 | 293 | 10.0 | 3,145 | 364 | 11.6 | 6,454 | 683 | 10.6 |
| 1973 | 33 | 2,806 | 286 | 10.2 | 4,008 | 272 | 6.8 | 7,071 | 577 | 8.2 |

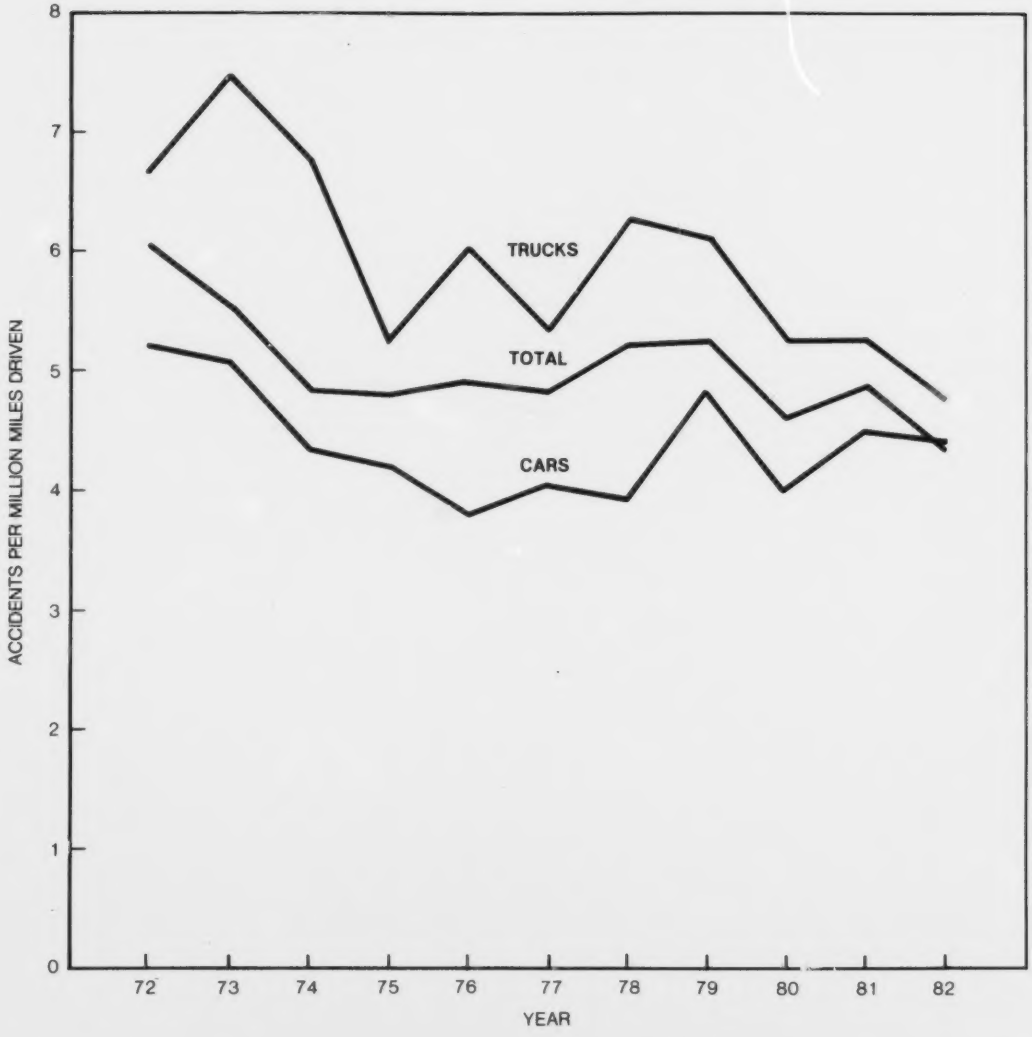
*Not comparable to 1980–1981.




**Company Participation in API Motor Vehicle Accident Data Collection**

NOTES: All companies reported data for accidents per 100 vehicles; most but not all companies also reported per million miles driven.

To facilitate comparisons, the scale for this curve is the same as that used for the participation curves in the other three fire and safety reports.

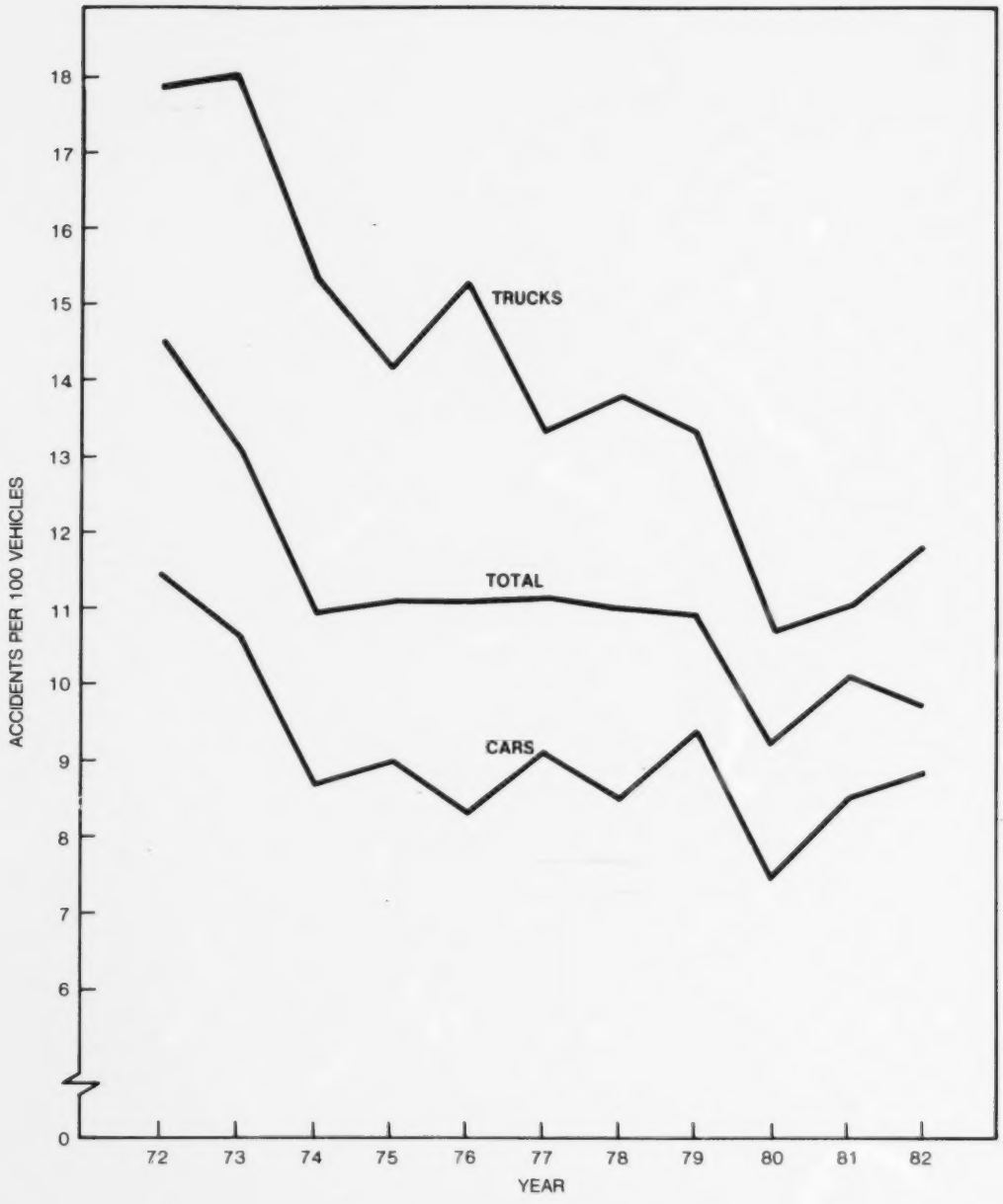



**Vehicle Accidents per Million Miles Driven**

NOTES: The accident rates for trucks have become almost as low as those for cars. Both rates decreased over the decade.

The curves cross in 1982 because the companies which reported only combined totals had a lower accident rate than those which reported cars and trucks separately.

"Trucks" include bulk cargo trucks and service trucks (such as pickups).




**Vehicle Accidents per 100 Vehicles**

NOTES: The average number of accidents per vehicle dropped sharply over the last decade. There is now less than one accident for every 10 vehicles.

For 1982 the "total" curve is sloped downward while the other two are sloped upward because the companies which reported only combined totals had a lower accident rate than those which reported cars and trucks separately.

1-2300 — 7/83 — 3C

**American Petroleum Institute**
2101 L Street, Northwest
Washington, D.C. 20037

A2575-17
7/84

# Summary of Motor Vehicle Accidents in the Petroleum Industry for 1983

JUNE 1984

**American Petroleum Institute**
1220 L Street, Northwest
Washington, D.C. 20005

# Summary of Motor Vehicle Accidents in the Petroleum Industry for 1983

Statistics Department

JUNE 1984

American
Petroleum
Institute

## SUMMARY

### MOTOR VEHICLE ACCIDENTS IN THE PETROLEUM INDUSTRY IN 1983

The American Petroleum Institute's fifty first survey of motor vehicle accidents in the petroleum industry represents the collective experience of 147 companies. Although this number does not reflect the counting of subsidiaries individually, since they were not reported separately, the reported data does include the experience of subsidiaries in most cases.

Table I shows that 124 companies operated 69,206 vehicles which traveled 1,505,472,000 miles and were involved in 6,324 accidents, indicating an average of 238,057 miles per vehicle accident in 1983. Comparable figures for 1982 were: 69,793 vehicles, 1,543,129,000 miles traveled, 6,868 vehicle accidents, and an average of one accident per 224,683 miles. Thus, in 1983 there was a frequency rate of 4.20 accidents per one million vehicle miles compared with 4.45 in 1982, a decrease of 5.62 per cent.

Table II shows that 147 companies had a frequency rate of accidents per 100 vehicles operated in 1983 of 9.3, compared with 9.7 in 1982, a decrease of 4.12 per cent.

---

**Note:** Total figures for "All Departments" are greater than the sum of the corresponding figures for the individual departments because some reports did not separate figures for each department. Similarly, the combined figures for cars and trucks are greater than the sum of the corresponding figures for these two classes of vehicles because some company reports did not give separate figures for each class.

1980–1983 statistics are not comparable to previous years due to the reclassification of functions.

---

**Additional copies of this survey may be obtained upon request by writing to:**

**American Petroleum Institute**
**Publications & Distribution Section**
**1220 L Street, N.W.**
**Washington, D.C. 20005**

## TABLE I — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

### COMPARISON BY DEPARTMENTS 1980–1983* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE NUMBER OF VEHICLE MILES TRAVELED

| | PASSENGER CARS REPORTED SEPARATELY | | | | | TRUCKS REPORTED SEPARATELY | | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Vehicle Miles Traveled (Thousands) | No. of Accidents | No. of Accidents Per One Million Vehicle Miles | No. of Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Accidents | No. of Accidents Per One Million Vehicle Miles | No. of Cars and Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Accidents | No. of Accidents Per One Million Vehicle Miles |
| | | | | | | ALL DEPARTMENTS | | | | | | | |
| 1983 | 124 | 27,343 | 492,153 | 2,149 | 4.37 | 28,385 | 688,539 | 2,910 | 4.23 | 69,206 | 1,505,472 | 6,324 | 4.20 |
| 1982 | 103 | 29,343 | 564,709 | 2,529 | 4.48 | 23,957 | 646,189 | 3,030 | 4.69 | 69,793 | 1,543,129 | 6,868 | 4.45 |
| 1981 | 81 | 11,395 | 205,221 | 934 | 4.55 | 21,158 | 465,571 | 2,445 | 5.25 | 62,822 | 1,323,781 | 6,416 | 4.85 |
| 1980 | 62 | 15,792 | 296,343 | 1,184 | 4.00 | 21,970 | 455,324 | 2,391 | 5.25 | 60,842 | 1,246,226 | 5,752 | 4.62 |
| | | | | | | EXPLORATION & PRODUCTION | | | | | | | |
| 1983 | 42 | 10,017 | 184,416 | 667 | 3.62 | 7,525 | 133,073 | 479 | 3.60 | 25,371 | 451,889 | 1,625 | 3.60 |
| 1982 | 38 | 10,501 | 199,590 | 824 | 4.13 | 5,067 | 100,744 | 436 | 4.33 | 21,269 | 385,186 | 1,494 | 3.88 |
| 1981 | 27 | 2,959 | 45,522 | 237 | 5.21 | 4,642 | 70,753 | 414 | 5.85 | 15,883 | 252,169 | 1,105 | 4.38 |
| 1980 | 19 | 3,191 | 58,500 | 271 | 4.63 | 4,554 | 69,215 | 422 | 6.10 | 9,475 | 152,782 | 773 | 5.06 |
| | | | | | | GAS PROCESSING | | | | | | | |
| 1983 | 20 | 469 | 8,451 | 33 | 3.90 | 284 | 8,445 | 21 | 2.49 | 981 | 22,845 | 64 | 2.80 |
| 1982 | 23 | 598 | 12,318 | 44 | 3.57 | 263 | 7,890 | 16 | 2.03 | 936 | 22,533 | 63 | 2.80 |
| 1981 | 10 | 62 | 1,321 | 2 | 1.51 | 158 | 2,248 | 5 | 2.22 | 538 | 10,775 | 26 | 2.41 |
| 1980 | 9 | 178 | 3,549 | 10 | 2.82 | 396 | 4,616 | 11 | 2.38 | 841 | 13,077 | 35 | 2.68 |
| | | | | | | DRILLING | | | | | | | |
| 1983 | 9 | 101 | 2,277 | 10 | 4.39 | 242 | 2,978 | 37 | 12.43 | 396 | 6,853 | 50 | 7.30 |
| 1982 | 10 | 141 | 3,520 | 12 | 3.41 | 227 | 5,365 | 49 | 9.13 | 389 | 9,321 | 62 | 6.65 |
| 1981 | 5 | 36 | 703 | 1 | 1.42 | 57 | 1,813 | 5 | 2.76 | 128 | 3,144 | 6 | 1.91 |
| 1980 | 4 | 80 | 1,326 | 2 | 1.51 | 206 | 2,513 | 8 | 3.18 | 304 | 4,281 | 13 | 3.04 |
| | | | | | | CHEMICALS | | | | | | | |
| 1983 | 9 | 991 | 23,444 | 133 | 5.67 | 648 | 23,781 | 168 | 7.06 | 1,900 | 56,356 | 347 | 6.16 |
| 1982 | 8 | 1,162 | 18,509 | 120 | 6.48 | 658 | 19,239 | 168 | 8.73 | 1,905 | 45,642 | 331 | 7.25 |
| 1981 | 5 | 628 | 12,456 | 99 | 7.95 | 638 | 16,208 | 135 | 8.33 | 1,906 | 42,082 | 272 | 6.46 |
| 1980 | 4 | 596 | 11,519 | 107 | 9.29 | 586 | 15,496 | 153 | 9.87 | 1,794 | 41,823 | 299 | 7.15 |
| | | | | | | REFINING | | | | | | | |
| 1983 | 26 | 766 | 10,562 | 25 | 2.37 | 1,614 | 16,596 | 80 | 4.82 | 2,785 | 29,796 | 112 | 3.76 |
| 1982 | 16 | 920 | 10,257 | 48 | 4.68 | 1,165 | 8,547 | 64 | 7.49 | 2,183 | 20,228 | 114 | 5.64 |
| 1981 | 12 | 339 | 5,506 | 19 | 3.45 | 940 | 10,969 | 75 | 6.84 | 2,028 | 25,830 | 139 | 5.38 |
| 1980 | 7 | 296 | 3,937 | 14 | 3.56 | 776 | 3,965 | 45 | 11.35 | 1,406 | 11,764 | 79 | 6.72 |
| | | | | | | MARKETING—WHOLESALE | | | | | | | |
| 1983 | 26 | 4,081 | 79,091 | 308 | 3.89 | 3,083 | 186,885 | 716 | 3.83 | 9,369 | 390,877 | 1,583 | 4.05 |
| 1982 | 19 | 5,226 | 119,994 | 416 | 3.47 | 3,901 | 225,844 | 1,012 | 4.48 | 12,411 | 451,873 | 1,936 | 4.28 |
| 1981 | 18 | 2,553 | 49,513 | 212 | 4.28 | 4,254 | 141,815 | 883 | 6.23 | 2,925 | 398,710 | 2,197 | 5.51 |
| 1980 | 12 | 1,100 | 23,546 | 65 | 2.76 | 3,507 | 97,679 | 662 | 6.78 | 6,502 | 188,924 | 1,162 | 6.15 |
| | | | | | | MARKETING—RETAIL | | | | | | | |
| 1983 | 16 | 1,129 | 22,552 | 122 | 5.41 | 4,933 | 67,119 | 550 | 8.19 | 6,274 | 99,046 | 706 | 7.13 |
| 1982 | 12 | 721 | 22,060 | 116 | 5.26 | 3,776 | 62,906 | 497 | 7.90 | 4,921 | 93,053 | 646 | 6.94 |
| 1981 | 10 | 893 | 18,169 | 55 | 3.03 | 2,568 | 46,744 | 331 | 7.08 | 3,699 | 68,369 | 401 | 5.87 |
| 1980 | 9 | 564 | 12,359 | 40 | 3.24 | 2,385 | 40,204 | 195 | 4.85 | 2,949 | 52,563 | 235 | 4.47 |
| | | | | | | PIPELINE—CRUDE & PRODUCTS | | | | | | | |
| 1983 | 33 | 2,044 | 39,841 | 147 | 3.69 | 2,969 | 75,184 | 255 | 3.39 | 5,832 | 134,650 | 467 | 3.47 |
| 1982 | 26 | 2,280 | 52,586 | 183 | 3.48 | 4,371 | 122,827 | 426 | 3.47 | 7,236 | 190,450 | 665 | 3.49 |
| 1981 | 24 | 1,395 | 28,122 | 87 | 3.09 | 3,354 | 78,155 | 237 | 3.03 | 5,910 | 133,918 | 412 | 3.08 |
| 1980 | 21 | 1,259 | 25,536 | 82 | 3.21 | 3,462 | 73,443 | 238 | 3.24 | 5,202 | 108,130 | 347 | 3.21 |
| | | | | | | PIPELINE—GAS | | | | | | | |
| 1983 | 25 | 4,141 | 65,354 | 389 | 5.95 | 5,416 | 130,291 | 437 | 3.35 | 9,828 | 201,863 | 846 | 4.19 |
| 1982 | 19 | 2,635 | 46,259 | 247 | 5.34 | 3,617 | 71,235 | 250 | 3.51 | 8,088 | 151,064 | 678 | 4.49 |
| 1981 | 17 | 1,158 | 20,725 | 94 | 4.54 | 3,472 | 74,968 | 241 | 3.21 | 9,106 | 182,795 | 706 | 3.86 |
| 1980 | 12 | 1,025 | 19,745 | 102 | 5.17 | 2,252 | 50,995 | 193 | 3.78 | 5,898 | 125,398 | 484 | 3.86 |
| | | | | | | MARINE | | | | | | | |
| 1983 | 6 | 42 | 698 | 1 | 1.43 | 12 | 182 | 0 | 0 | 64 | 1,223 | 1 | .82 |
| 1982 | 3 | 23 | 493 | 1 | 2.03 | 4 | 50 | 1 | 20.00 | 27 | 543 | 2 | 3.68 |
| 1981 | 3 | 24 | 457 | 1 | 2.19 | 4 | 54 | 1 | 18.52 | 30 | 528 | 2 | 3.79 |
| 1980 | 3 | 22 | 423 | 3 | 7.09 | 4 | 52 | 0 | 0 | 28 | 508 | 4 | 7.87 |

## TABLE I — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

### COMPARISON BY DEPARTMENTS 1980–1983* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE NUMBER OF VEHICLE MILES TRAVELED

| | PASSENGER CARS REPORTED SEPARATELY | | | | | TRUCKS REPORTED SEPARATELY | | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Vehicle Miles Traveled (Thousands) | No. of Accidents | No. of Accidents Per One Million Vehicle Miles | No. of Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Accidents | No. of Accidents Per One Million Vehicle Miles | No. of Cars and Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Accidents | No. of Accidents Per One Million Vehicle Miles |
| | | | | | | RESEARCH & DEVELOPMENT | | | | | | | |
| 1983 | 10 | 218 | 2,005 | 24 | 11.97 | 156 | 1,994 | 14 | 7.02 | 833 | 6,475 | 44 | 6.80 |
| 1982 | 12 | 337 | 3,566 | 29 | 8.13 | 456 | 1,177 | 5 | 4.25 | 874 | 6,004 | 38 | 6.33 |
| 1981 | 11 | 152 | 1,914 | 8 | 4.18 | 107 | 886 | 10 | 11.29 | 697 | 6,227 | 43 | 6.91 |
| 1980 | 8 | 142 | 1,683 | 12 | 7.13 | 104 | 614 | 7 | 11.40 | 364 | 3,064 | 31 | 10.12 |
| | | | | | | ENGINEERING & SERVICES | | | | | | | |
| 1983 | 11 | 475 | 7,931 | 46 | 5.80 | 286 | 3,785 | 27 | 7.13 | 761 | 11,716 | 73 | 6.23 |
| 1982 | 9 | 477 | 7,250 | 43 | 5.93 | 256 | 2,949 | 28 | 9.49 | 733 | 10,199 | 71 | 6.96 |
| 1981 | 9 | 319 | 6,116 | 36 | 5.89 | 214 | 4,058 | 31 | 7.64 | 533 | 10,173 | 67 | 6.59 |
| 1980 | 7 | 219 | 4,102 | 26 | 6.34 | 225 | 5,850 | 37 | 6.32 | 444 | 9,952 | 63 | 6.33 |
| | | | | | | MISCELLANEOUS | | | | | | | |
| 1983 | 36 | 2,869 | 45,531 | 244 | 5.36 | 1,217 | 38,226 | 126 | 3.30 | 4,802 | 91,883 | 406 | 4.42 |
| 1982 | 21 | 931 | 21,174 | 69 | 3.26 | 430 | 11,483 | 43 | 3.74 | 1,497 | 35,698 | 120 | 3.36 |
| 1981 | 17 | 768 | 12,875 | 77 | 5.98 | 498 | 13,912 | 59 | 4.24 | 1,779 | 35,464 | 206 | 5.81 |
| 1980 | 14 | 404 | 7,195 | 44 | 6.12 | 201 | 4,156 | 6 | 1.44 | 859 | 18,291 | 72 | 3.94 |

*Not comparable to previous years

## TABLE II — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

### COMPARISON BY DEPARTMENTS 1980–1983* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE ITEMS SHOWN

| | | PASSENGER CARS REPORTED SEPARATELY | | | TRUCKS REPORTED SEPARATELY | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Cars and Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles |
| **ALL DEPARTMENTS** | | | | | | | | | | |
| 1983 | 147 | 35,519 | 2,443 | 6.9 | 33,852 | 3,299 | 9.7 | 75,283 | 7,021 | 9.3 |
| 1982 | 115 | 31,701 | 2,802 | 8.8 | 27,411 | 3,268 | 11.9 | 75,697 | 7,379 | 9.7 |
| 1981 | 94 | 14,218 | 1,217 | 8.6 | 23,621 | 2,630 | 11.1 | 68,108 | 6,884 | 10.1 |
| 1980 | 75 | 17,067 | 1,281 | 7.5 | 23,999 | 2,515 | 10.5 | 64,146 | 5,973 | 9.3 |
| **EXPLORATION & PRODUCTION** | | | | | | | | | | |
| 1983 | 57 | 11,090 | 822 | 7.4 | 8,553 | 590 | 6.9 | 27,472 | 1,891 | 6.9 |
| 1982 | 46 | 11,558 | 968 | 8.4 | 5,955 | 529 | 8.9 | 23,214 | 1,731 | 7.5 |
| 1981 | 35 | 4,150 | 378 | 9.1 | 5,444 | 467 | 8.6 | 17,876 | 1,299 | 7.3 |
| 1980 | 26 | 3,439 | 299 | 8.7 | 5,585 | 492 | 8.8 | 10,754 | 871 | 8.1 |
| **GAS PROCESSING** | | | | | | | | | | |
| 1983 | 26 | 536 | 37 | 6.9 | 613 | 39 | 6.4 | 1,377 | 86 | 6.3 |
| 1982 | 28 | 705 | 60 | 8.5 | 509 | 22 | 4.3 | 1,289 | 85 | 6.6 |
| 1981 | 16 | 146 | 18 | 12.3 | 427 | 17 | 4.0 | 891 | 54 | 6.1 |
| 1980 | 12 | 298 | 18 | 6.0 | 562 | 17 | 3.0 | 1,127 | 49 | 4.3 |
| **DRILLING** | | | | | | | | | | |
| 1983 | 15 | 1,192 | 14 | 1.2 | 593 | 58 | 9.8 | 958 | 75 | 7.8 |
| 1982 | 13 | 388 | 20 | 5.2 | 445 | 54 | 12.1 | 854 | 75 | 8.8 |
| 1981 | 6 | 200 | 8 | 4.0 | 252 | 20 | 7.9 | 487 | 28 | 5.7 |
| 1980 | 7 | 144 | 7 | 4.9 | 240 | 11 | 4.6 | 402 | 21 | 5.2 |
| **CHEMICALS** | | | | | | | | | | |
| 1983 | 10 | 1,001 | 133 | 13.3 | 673 | 168 | 25.0 | 1,940 | 347 | 17.9 |
| 1982 | 11 | 1,311 | 132 | 10.1 | 1,015 | 170 | 16.7 | 2,411 | 345 | 14.3 |
| 1981 | 8 | 1,150 | 120 | 10.4 | 756 | 146 | 19.3 | 2,546 | 304 | 11.9 |
| 1980 | 6 | 628 | 118 | 18.8 | 626 | 163 | 16.0 | 1,866 | 320 | 17.1 |
| **REFINING** | | | | | | | | | | |
| 1983 | 34 | 873 | 49 | 5.6 | 2,057 | 100 | 4.9 | 3,335 | 156 | 4.7 |
| 1982 | 23 | 1,106 | 72 | 6.5 | 1,575 | 84 | 5.3 | 2,681 | 158 | 5.9 |
| 1981 | 19 | 526 | 37 | 7.0 | 1,255 | 97 | 7.7 | 2,530 | 179 | 7.1 |
| 1980 | 13 | 380 | 21 | 5.5 | 1,038 | 56 | 5.4 | 1,752 | 97 | 5.5 |
| **MARKETING—WHOLESALE** | | | | | | | | | | |
| 1983 | 38 | 4,394 | 345 | 7.9 | 3,344 | 801 | 24.0 | 9,943 | 1,705 | 17.2 |
| 1982 | 27 | 5,399 | 433 | 8.0 | 4,303 | 1,065 | 24.8 | 12,986 | 2,007 | 15.5 |
| 1981 | 27 | 2,770 | 234 | 8.4 | 4,681 | 923 | 19.7 | 13,569 | 2,259 | 16.6 |
| 1980 | 20 | 1,318 | 74 | 5.6 | 3,670 | 674 | 18.4 | 6,883 | 1,183 | 17.2 |
| **MARKETING—RETAIL** | | | | | | | | | | |
| 1983 | 21 | 1,219 | 129 | 10.6 | 4,960 | 555 | 11.2 | 6,391 | 718 | 11.2 |
| 1982 | 16 | 875 | 127 | 14.5 | 3,807 | 499 | 13.1 | 5,106 | 659 | 12.9 |
| 1981 | 15 | 1,037 | 68 | 6.6 | 4,596 | 335 | 12.9 | 3,871 | 418 | 10.8 |
| 1980 | 12 | 712 | 51 | 7.2 | 2,446 | 197 | 8.1 | 3,158 | 248 | 7.9 |
| **PIPELINE—CRUDE & PRODUCTS** | | | | | | | | | | |
| 1983 | 41 | 2,147 | 158 | 7.4 | 3,377 | 314 | 9.3 | 6,343 | 537 | 8.5 |
| 1982 | 32 | 2,391 | 194 | 8.1 | 4,793 | 463 | 9.7 | 7,769 | 713 | 9.2 |
| 1981 | 28 | 1,525 | 99 | 6.5 | 3,514 | 251 | 7.1 | 6,200 | 438 | 7.1 |
| 1980 | 26 | 1,354 | 88 | 6.5 | 3,644 | 245 | 6.7 | 5,479 | 360 | 6.6 |
| **PIPELINE—GAS** | | | | | | | | | | |
| 1983 | 28 | 4,190 | 392 | 9.4 | 5,850 | 475 | 8.1 | 10,311 | 887 | 8.6 |
| 1982 | 20 | 2,635 | 247 | 9.4 | 3,669 | 253 | 6.9 | 8,140 | 500 | 6.1 |
| 1981 | 18 | 1,164 | 94 | 8.1 | 3,477 | 241 | 6.9 | 9,117 | 706 | 7.7 |
| 1980 | 14 | 1,026 | 102 | 9.9 | 2,266 | 193 | 8.5 | 5,913 | 484 | 8.2 |
| **MARINE** | | | | | | | | | | |
| 1983 | 6 | 42 | 1 | 2.4 | 12 | 0 | 0 | 64 | 1 | 1.6 |
| 1982 | 3 | 23 | 1 | 4.3 | 4 | 1 | 25.0 | 27 | 2 | 7.4 |
| 1981 | 3 | 24 | 1 | 4.2 | 4 | 1 | 25.0 | 30 | 2 | 6.7 |
| 1980 | 3 | 22 | 3 | 13.6 | 4 | 0 | 0 | 28 | 4 | 14.3 |

## TABLE II — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

### COMPARISON BY DEPARTMENTS 1980–1983* (INCLUSIVE) OF THOSE COMPANIES REPORTING THE ITEMS SHOWN

| Year | No. of Cos. | PASSENGER CARS REPORTED SEPARATELY | | | TRUCKS REPORTED SEPARATELY | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of Cars | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Cars and Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles |
| | | | | | RESEARCH & DEVELOPMENT | | | | | |
| 1983 | 11 | 219 | 24 | 11.0 | 156 | 14 | 9.0 | 834 | 44 | 5.3 |
| 1982 | 13 | 338 | 29 | 8.6 | 158 | 5 | 3.2 | 877 | 38 | 4.3 |
| 1981 | 12 | 152 | 8 | 5.3 | 109 | 10 | 9.2 | 699 | 43 | 6.2 |
| 1980 | 9 | 143 | 12 | 8.4 | 106 | 7 | 6.6 | 367 | 31 | 8.4 |
| | | | | | ENGINEERING & SERVICES | | | | | |
| 1983 | 18 | 498 | 52 | 10.4 | 325 | 37 | 11.4 | 823 | 89 | 10.8 |
| 1982 | 13 | 510 | 51 | 10.0 | 267 | 29 | 10.9 | 777 | 80 | 10.3 |
| 1981 | 12 | 322 | 37 | 11.5 | 223 | 31 | 13.9 | 545 | 68 | 12.5 |
| 1980 | 9 | 221 | 26 | 11.8 | 226 | 37 | 16.4 | 447 | 63 | 14.1 |
| | | | | | MISCELLANEOUS | | | | | |
| 1983 | 50 | 3,180 | 287 | 9.0 | 1,394 | 148 | 10.6 | 5,290 | 471 | 8.9 |
| 1982 | 28 | 1,163 | 90 | 7.7 | 845 | 59 | 7.0 | 2,144 | 157 | 7.3 |
| 1981 | 25 | 943 | 109 | 11.6 | 631 | 73 | 11.6 | 2,087 | 252 | 12.1 |
| 1980 | 33 | 666 | 56 | 8.4 | 274 | 9 | 3.3 | 993 | 87 | 8.8 |

*Not comparable to previous years

## TABLE I — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 1,000,000 MILES

### COMPARISON BY DEPARTMENTS 1974–1979 (INCLUSIVE) OF THOSE COMPANIES REPORTING THE NUMBER OF VEHICLE MILES TRAVELED

| | PASSENGER CARS REPORTED SEPARATELY | | | | | TRUCKS REPORTED SEPARATELY | | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos. | No. of Cars | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles | No. of Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles | No. of Cars and Trucks | No. of Vehicle Miles Traveled (Thousands) | No. of Acci-dents | No. of Accidents Per One Million Vehicle Miles |
| | | | | | | ALL DEPARTMENTS | | | | | | | |
| 1979 | 63 | 17,425 | 332,613 | 1,603 | 4.82 | 21,414 | 467,939 | 2,889 | 6.17 | 57,562 | 1,183,783 | 6,265 | 5.29 |
| 1978 | 68 | 18,216 | 343,125 | 1,366 | 3.98 | 19,113 | 404,748 | 2,562 | 6.33 | 55,284 | 1,110,669 | 5,819 | 5.24 |
| 1977 | 69 | 20,197 | 410,592 | 1,674 | 4.08 | 21,508 | 519,446 | 2,784 | 5.36 | 46,579 | 1,045,865 | 4,957 | 4.74 |
| 1976 | 70 | 20,300 | 412,135 | 1,544 | 3.75 | 22,748 | 585,609 | 3,528 | 6.02 | 52,431 | 1,151,801 | 5,646 | 4.90 |
| 1975 | 69 | 21,624 | 429,079 | 1,808 | 4.21 | 29,071 | 779,260 | 4,089 | 5.25 | 59,536 | 1,350,036 | 6,391 | 4.73 |
| 1974 | 73 | 20,370 | 383,542 | 1,656 | 4.32 | 20,147 | 469,804 | 3,151 | 6.71 | 61,496 | 1,370,603 | 6,577 | 4.80 |
| | | | | | | REFINING | | | | | | | |
| 1979 | 11 | 753 | 8,865 | 62 | 6.99 | 1,366 | 7,992 | 62 | 7.76 | 2,168 | 17,505 | 126 | 7.20 |
| 1978 | 16 | 723 | 7,803 | 74 | 9.48 | 1,281 | 7,250 | 84 | 11.59 | 2,035 | 15,658 | 160 | 10.22 |
| 1977 | 15 | 709 | 9,136 | 61 | 6.68 | 1,502 | 10,413 | 177 | 17.00 | 2,242 | 20,120 | 240 | 11.93 |
| 1976 | 17 | 740 | 8,478 | 49 | 5.78 | 1,218 | 9,649 | 120 | 12.44 | 2,028 | 18,840 | 173 | 9.18 |
| 1975 | 18 | 894 | 8,219 | 60 | 7.30 | 1,648 | 9,089 | 98 | 10.78 | 2,584 | 18,124 | 165 | 9.10 |
| 1974 | 20 | 916 | 8,486 | 80 | 9.43 | 1,546 | 9,552 | 131 | 13.71 | 2,508 | 18,815 | 217 | 11.53 |
| | | | | | | MARKETING | | | | | | | |
| 1979 | 20 | 4,818 | 101,741 | 355 | 3.49 | 7,307 | 210,850 | 1,610 | 7.64 | 16,143 | 444,957 | 2,634 | 5.92 |
| 1978 | 18 | 5,290 | 106,882 | 455 | 4.26 | 7,421 | 212,205 | 1,689 | 7.96 | 17,313 | 455,239 | 2,898 | 6.37 |
| 1977 | 18 | 6,800 | 177,698 | 730 | 4.11 | 7,788 | 315,396 | 1,829 | 5.80 | 14,710 | 498,726 | 2,576 | 5.17 |
| 1976 | 19 | 7,539 | 181,572 | 694 | 3.82 | 9,973 | 392,037 | 2,586 | 6.60 | 18,225 | 582,985 | 3,339 | 5.73 |
| 1975 | 22 | 8,850 | 191,865 | 818 | 4.26 | 15,636 | 572,338 | 3,054 | 5.34 | 24,775 | 774,202 | 3,898 | 5.03 |
| 1974 | 22 | 7,626 | 150,432 | 715 | 4.75 | 8,007 | 287,300 | 2,230 | 7.76 | 27,065 | 809,809 | 4,117 | 5.08 |
| | | | | | | PRODUCTION | | | | | | | |
| 1979 | 26 | 6,442 | 118,749 | 443 | 3.73 | 5,640 | 92,232 | 442 | 4.79 | 17,399 | 263,917 | 1,073 | 4.07 |
| 1978 | 29 | 5,923 | 108,931 | 348 | 3.19 | 3,956 | 61,278 | 258 | 4.21 | 16,236 | 219,369 | 779 | 3.55 |
| 1977 | 31 | 4,946 | 102,703 | 343 | 3.34 | 3,149 | 59,285 | 188 | 3.17 | 14,615 | 241,990 | 767 | 3.17 |
| 1976 | 32 | 4,970 | 101,887 | 323 | 3.17 | 3,532 | 59,990 | 225 | 3.75 | 14,049 | 244,931 | 759 | 3.10 |
| 1975 | 35 | 4,825 | 97,967 | 331 | 3.38 | 3,744 | 59,414 | 252 | 4.24 | 14,583 | 243,096 | 793 | 3.26 |
| 1974 | 34 | 4,862 | 97,634 | 304 | 3.11 | 3,786 | 59,954 | 188 | 3.14 | 12,411 | 202,361 | 607 | 3.00 |
| | | | | | | PIPELINE | | | | | | | |
| 1979 | 37 | 2,975 | 58,104 | 175 | 3.01 | 5,162 | 104,624 | 372 | 3.56 | 12,877 | 252,002 | 856 | 3.40 |
| 1978 | 38 | 3,943 | 80,502 | 287 | 3.57 | 5,001 | 99,229 | 417 | 4.20 | 12,754 | 249,515 | 1,000 | 4.01 |
| 1977 | 39 | 3,717 | 71,168 | 244 | 3.43 | 4,551 | 99,278 | 369 | 3.72 | 9,534 | 179,031 | 750 | 4.19 |
| 1976 | 38 | 4,062 | 76,751 | 243 | 3.17 | 4,382 | 92,676 | 360 | 3.88 | 10,523 | 208,716 | 772 | 3.70 |
| 1975 | 40 | 4,243 | 77,207 | 305 | 3.95 | 4,624 | 91,005 | 356 | 3.91 | 10,982 | 207,597 | 889 | 4.28 |
| 1974 | 41 | 4,336 | 81,110 | 313 | 3.86 | 4,381 | 82,788 | 302 | 3.65 | 12,459 | 237,927 | 902 | 3.79 |
| | | | | | | MISCELLANEOUS | | | | | | | |
| 1979 | 16 | 1,902 | 32,505 | 250 | 7.69 | 1,558 | 31,257 | 174 | 5.57 | 3,705 | 67,164 | 441 | 6.57 |
| 1978 | 21 | 2,283 | 38,448 | 198 | 5.15 | 1,419 | 24,272 | 110 | 4.53 | 3,982 | 70,579 | 329 | 4.66 |
| 1977 | 23 | 3,968 | 49,263 | 289 | 5.87 | 4,482 | 34,558 | 221 | 6.40 | 8,819 | 90,013 | 525 | 5.83 |
| 1976 | 23 | 2,040 | 42,829 | 231 | 5.39 | 2,509 | 30,768 | 237 | 7.70 | 4,946 | 80,993 | 504 | 6.22 |
| 1975 | 25 | 2,405 | 47,915 | 244 | 5.09 | 2,731 | 38,664 | 271 | 7.01 | 5,517 | 92,361 | 538 | 5.82 |
| 1974 | 24 | 2,566 | 45,276 | 241 | 5.32 | 2,394 | 29,603 | 298 | 10.07 | 5,332 | 79,203 | 565 | 7.13 |

Not comparable to 1980–1983.

## TABLE II — PETROLEUM INDUSTRY — MOTOR VEHICLE ACCIDENTS PER 100 VEHICLES

### COMPARISON BY DEPARTMENTS 1974–1979 (INCLUSIVE) OF THOSE COMPANIES REPORTING THE ITEMS SHOWN

| | | PASSENGER CARS REPORTED SEPARATELY | | | TRUCKS REPORTED SEPARATELY | | | COMBINATION ALL CARS AND TRUCKS REPORTED | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | No. of Cos | No. of Cars | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles | No. of Cars and Trucks | No. of Accidents | No. of Accidents Per 100 Vehicles |
| | | | | | ALL DEPARTMENTS | | | | | |
| 1979 | 77 | 19,598 | 1,852 | 9.4 | 23,962 | 3,191 | 13.3 | 62,283 | 6,816 | 10.9 |
| 1978 | 79 | 20,544 | 1,749 | 8.5 | 21,789 | 3,014 | 13.8 | 60,228 | 6,654 | 11.0 |
| 1977 | 81 | 22,410 | 2,037 | 9.1 | 24,115 | 3,228 | 13.4 | 51,399 | 5,764 | 11.2 |
| 1976 | 89 | 22,645 | 1,875 | 8.3 | 25,395 | 3,897 | 15.3 | 57,423 | 6,346 | 11.1 |
| 1975 | 87 | 24,108 | 2,166 | 9.0 | 31,957 | 4,533 | 14.2 | 64,906 | 7,193 | 11.1 |
| 1974 | 87 | 22,800 | 1,990 | 8.7 | 23,024 | 3,554 | 15.4 | 66,803 | 7,314 | 10.9 |
| | | | | | REFINING | | | | | |
| 1979 | 19 | 928 | 82 | 8.8 | 1,790 | 76 | 4.2 | 2,767 | 160 | 5.8 |
| 1978 | 29 | 963 | 104 | 10.8 | 1,688 | 96 | 5.7 | 2,682 | 202 | 7.5 |
| 1977 | 20 | 859 | 79 | 9.2 | 1,792 | 193 | 10.8 | 2,682 | 274 | 10.2 |
| 1976 | 23 | 885 | 58 | 6.6 | 1,407 | 128 | 9.1 | 2,362 | 190 | 8.0 |
| 1975 | 24 | 1,040 | 68 | 6.5 | 1,858 | 99 | 5.3 | 2,940 | 174 | 5.9 |
| 1974 | 26 | 1,087 | 99 | 9.1 | 1,747 | 132 | 7.6 | 2,880 | 237 | 8.2 |
| | | | | | MARKETING | | | | | |
| 1979 | 29 | 5,503 | 405 | 8.3 | 7,640 | 1,677 | 22.0 | 17,161 | 2,801 | 16.3 |
| 1978 | 28 | 6,404 | 662 | 10.3 | 8,371 | 1,992 | 23.8 | 19,377 | 3,408 | 17.6 |
| 1977 | 24 | 7,973 | 963 | 12.1 | 8,816 | 2,119 | 24.0 | 16,911 | 3,099 | 18.3 |
| 1976 | 25 | 8,726 | 909 | 10.4 | 11,022 | 2,838 | 25.7 | 20,012 | 3,806 | 19.0 |
| 1975 | 28 | 10,100 | 1,043 | 10.3 | 16,729 | 3,342 | 20.0 | 27,118 | 4,411 | 16.3 |
| 1974 | 28 | 8,842 | 925 | 10.5 | 9,171 | 2,529 | 27.6 | 29,445 | 4,626 | 15.7 |
| | | | | | PRODUCTION | | | | | |
| 1979 | 36 | 6,952 | 482 | 6.9 | 6,090 | 474 | 7.8 | 18,359 | 1,144 | 6.2 |
| 1978 | 44 | 6,268 | 394 | 6.3 | 4,265 | 279 | 6.5 | 16,890 | 846 | 5.0 |
| 1977 | 39 | 5,310 | 386 | 7.3 | 3,515 | 218 | 6.2 | 15,345 | 840 | 5.5 |
| 1976 | 39 | 5,344 | 352 | 6.6 | 3,908 | 244 | 6.2 | 14,799 | 807 | 5.5 |
| 1975 | 45 | 5,233 | 368 | 7.0 | 4,207 | 285 | 6.8 | 15,454 | 863 | 5.6 |
| 1974 | 44 | 5,269 | 328 | 6.2 | 4,213 | 203 | 4.8 | 13,245 | 646 | 4.9 |
| | | | | | PIPELINE | | | | | |
| 1979 | 46 | 3,450 | 223 | 6.5 | 5,598 | 401 | 7.2 | 13,788 | 933 | 6.8 |
| 1978 | 54 | 4,216 | 333 | 7.9 | 5,286 | 447 | 8.5 | 13,312 | 1,076 | 8.1 |
| 1977 | 48 | 3,937 | 267 | 6.8 | 4,747 | 393 | 8.3 | 9,950 | 797 | 8.0 |
| 1976 | 47 | 4,301 | 280 | 6.5 | 4,682 | 382 | 8.2 | 11,062 | 831 | 7.5 |
| 1975 | 51 | 4,497 | 342 | 7.6 | 4,938 | 398 | 8.1 | 11,550 | 968 | 8.4 |
| 1974 | 50 | 4,601 | 342 | 7.4 | 4,715 | 324 | 6.9 | 13,058 | 953 | 7.3 |
| | | | | | MISCELLANEOUS | | | | | |
| 1979 | 27 | 2,230 | 292 | 13.1 | 2,463 | 334 | 13.6 | 4,938 | 643 | 13.0 |
| 1978 | 35 | 2,639 | 252 | 9.5 | 2,144 | 196 | 9.1 | 5,063 | 469 | 9.3 |
| 1977 | 31 | 4,274 | 335 | 7.8 | 5,209 | 305 | 5.9 | 9,852 | 655 | 6.6 |
| 1976 | 32 | 2,440 | 272 | 11.1 | 3,242 | 305 | 9.4 | 6,079 | 613 | 10.1 |
| 1975 | 32 | 2,831 | 295 | 10.4 | 3,537 | 351 | 9.9 | 6,749 | 669 | 9.9 |
| 1974 | 32 | 2,937 | 293 | 10.0 | 3,145 | 364 | 11.6 | 6,454 | 683 | 10.6 |

Not comparable to 1980–1983

2300 — 6.84 — 3C

**American Petroleum Institute**
1220 L Street, Northwest
Washington, D.C. 20005